

INTERNATIONAL SEARCH REPORT

Interr Application No
PCT/GB2004/004952

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	F42D5/04	F41H5/04	A62D5/00	E04H9/00	G21F1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F42D F41H A62D E04H G21F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 398 007 A (PILLERSDORF ARTHUR ET AL) 20 August 1968 (1968-08-20) the whole document -----	1-5,7-9, 12,13
X	GB 2 100 845 A (* KOZPONTI BANYASZATI FEJLESZTESI INTEZET) 6 January 1983 (1983-01-06) the whole document -----	1,2,6,8, 12,13
X	US 3 818 234 A (ATKINS B,US ET AL) 18 June 1974 (1974-06-18) the whole document -----	1,2,8, 11,14
P,X	WO 2004/044520 A (CINTEC INTERNATIONAL LIMITED; JAMES, PETER) 27 May 2004 (2004-05-27) claims -----	1,8,13 -----

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

1 April 2005

Date of mailing of the international search report

12/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Puetz, C

INTERNATIONAL SEARCH REPORT

Inten.	Application No
PCT/GB2004/004952	

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 394 786 A (GETTLE ET AL) 7 March 1995 (1995-03-07) the whole document -----	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inter

Application No

PCT/GB2004/004952

Patent document cited in search report		Publication date	Patent family member(s)			Publication date
US 3398007	A	20-08-1968	NONE			
GB 2100845	A	06-01-1983	NONE			
US 3818234	A	18-06-1974	BE	793537	A1	29-06-1973
			CA	969680	A1	17-06-1975
			DE	2263676	A1	05-07-1973
			FR	2169908	A1	14-09-1973
			GB	1420940	A	14-01-1976
			IT	974326	B	20-06-1974
			JP	48077299	A	17-10-1973
			JP	52049556	B	17-12-1977
			NL	7217655	A	03-07-1973
			US	3786260	A	15-01-1974
WO 2004044520	A	27-05-2004	WO	2004044520	A1	27-05-2004
US 5394786	A	07-03-1995	US	5225622	A	06-07-1993
			WO	9501484	A1	12-01-1995
			AU	4769993	A	24-01-1995
			DE	69331973	D1	04-07-2002
			DE	69331973	T2	16-01-2003
			EP	0706596	A1	17-04-1996